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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2008; month=12; day=17; hr=13; min=47; sec=20; ms=268;]

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Reviewer Comments:

<220>

<221> Xaa

<222> (11)..(11)

<223> Xaa is a single amino acid that can be either Met, Ile, or Val.

<400> 3

Phe	Xaa	Pro	Xaa	Xaa	Xaa	Tyr	Xaa	Xaa	Xaa	Xaa	Xaa	Pro	Xaa	Asp
1			5					10					15	

Missing explanation for 'Xaa' at location 15. Please check for similar errors in subsequent sequences.

<210> 7

<211> 110

<212> PRT

<213> Homo sapiens, bromodomain peptide

<400> 7

Numeric identifier <213> can only be one of three choices, "Scientific name, i.e. Genus/species, Unknown or Artificial Sequence." For all sequences using "Unknown or Artificial sequence", for numeric identifier <213>, a mandatory feature is required to explain the source of the genetic material. The feature consists of <220>, which remains blank, and <223>, which states the source of the genetic material. To explain the source, if the sequence is put together from several organisms, please list those organisms. If the sequence is made in the laboratory,

please indicate that the sequence is synthesized. Please make all
necessary changes, if similar errors detected in subsequent sequences.

Application No: 09510314 Version No: 3.0

Input Set:

Output Set:

Started: 2008-12-02 17:33:31.534
Finished: 2008-12-02 17:33:35.791
Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 257 ms
Total Warnings: 7
Total Errors: 23
No. of SeqIDs Defined: 44
Actual SeqID Count: 44

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
E 257	Invalid sequence data feature in <221> in SEQ ID (3)
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E 341	'Xaa' position not defined SEQID (3) POS (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
E 257	Invalid sequence data feature in <221> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
E 257	Invalid sequence data feature in <221> in SEQ ID (5)
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W 402	Undefined organism found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (43)
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Input Set:

Output Set:

Started: 2008-12-02 17:33:31.534
Finished: 2008-12-02 17:33:35.791
Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 257 ms
Total Warnings: 7
Total Errors: 23
No. of SeqIDs Defined: 44
Actual SeqID Count: 44

Error code	Error Description
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E 341	'Xaa' position not defined SEQID (43) POS (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (44)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (44)

SEQUENCE LISTING

<110> Zhou, Ming-Ming
Aggarwal, Aneel

<120> Methods of Identifying Modulators of Bromodomains

<130> 2459-1-003

<140> 09510314

<141> 2008-12-02

<150> 09/510,314

<151> 2000-02-22

<160> 44

<170> PatentIn version 3.0

<210> 1

<211> 3014

<212> DNA

<213> Homo sapiens

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 <213> Homo sapiens

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Pro	Pro	Ala	Pro	Pro	Gln	Gly	Ser	Pro	Cys	Ala	Ala	Ala	Ala	Gly	Gly
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Ser	Gly	Ala	Cys	Gly	Pro	Ala	Thr	Ala	Val	Ala	Ala	Ala	Gly	Thr	Ala
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Ala	His	Val	Ser	His	Leu	Glu	Asn	Val	Ser	Glu	Glu	Glu	Met	Asn	Arg
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Cys	Asn	Val	Pro	Gln	Phe	Cys	Asp	Ser	Leu	Pro	Arg	Tyr	Glu	Thr	Thr		
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Thr	Glu	Phe	Ser	Val	Ile	Ile	Lys	Lys	Gln	Lys	Glu	Ile	Ile	Lys	Lys	
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Asp Leu Lys Thr Met Ser Glu Arg Leu Lys Asn Arg Tyr Tyr Val Ser
770 775 780

Lys Lys Leu Phe Met Ala Asp Leu Gln Arg Val Phe Thr Asn Cys Lys
785 790 795 800

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<212> PRT

<213> Artificial Sequence

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<223> synthetic bromodomain peptide

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<221> Xaa

<222> (2)..(4)

<223> Xaa is a maximum of three amino acids. Each of these can be any amino acid. One may be missing.

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<221> Xaa

<222> (4)..(11)

<223> Xaa is a maximum of eight amino acids. Each of these can be any amino acid. One, two, or three may be missing.

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<221> Xaa

<222> (5)..(5)

<223> Xaa is a single amino acid that is either Pro, Lys, or His.

<220>

<221> Xaa

<222> (6)..(6)

<223> Xaa is any single amino acid.

<220>

<221> Xaa

<222> (8)..(8)

<223> Xaa is a single amino acid that can be either Tyr, Phe, or His.

<220>

<221> Xaa

<222> (9)..(13)

<223> Xaa is 5 amino acids. Each of these can be any amino acid.

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<221> Xaa

<222> (11)..(11)

<223> Xaa is a single amino acid that can be either Met, Ile, or Val.

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<222> (6)..(6)

<223> Xaa represents an acetyl-lysine

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<223> Xaa represents an acetyl lysine.

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<212> PRT

<213> Homo sapiens, bromodomain peptide

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Pro Val Lys Arg Thr Glu Ala Pro Gly Tyr Tyr Glu Val Ile Arg Ser
35 40 45

Pro Met Asp Leu Lys Thr Met Ser Glu Arg Leu Lys Asn Arg Tyr Tyr
50 55 60

Val Ser Lys Lys Leu Phe Met Ala Asp Leu Gln Arg Val Phe Thr Asn
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Cys Lys Glu Tyr Asn Ala Pro Glu Ser Glu Tyr Tyr Lys Cys Ala Asn
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100 105 110

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<211> 110

<212> PRT

<213> Homo sapiens

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35 40 45

Pro Ile Asp Leu Lys Thr Met Thr Glu Arg Leu Arg Ser Arg Tyr Tyr
50 55 60

Val Thr Arg Lys Leu Phe Val Ala Asp Leu Gln Arg Val Ile Ala Asn
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<211> 109
<212> PRT
<213> Tetrahymena thermophila

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35 40 45

Ile Asp Ile Lys Ala Ile Glu Lys Lys Leu Gln Asn Asn Gln Tyr Val
50 55 60

Asp Lys Asp Gln Phe Ile Lys Asp Val Lys Arg Ile Phe Thr Asn Ala
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Leu Glu Asp Phe Val Glu Pro Tyr Leu Thr Lys Leu Lys
100 105

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<212> PRT
<213> Saccharomyces cerevisiae

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25

30

Val Asn Lys Glu Glu Val Pro Asp Tyr Tyr Asp Phe Ile Lys Glu Pro
 35 40 45

Met Asp Leu Ser Thr Met Glu Ile Lys Leu Glu Ser Asn Lys Tyr Gln
 50 55 60

Lys Met Glu Asp Phe Ile Tyr Asp Ala Arg Leu Val Phe Asn Asn Cys
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 100 105

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<212> PRT

<213> Homo sapiens

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 20 25 30

Pro Val Asp Pro Gln Leu Leu Gly Ile Pro Asp Tyr